

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                                      | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| L1    | 2254 | (313/498,501-502,110).<br>CCLS.  | US-PGPUB;<br>USPAT                       | OR               | OFF     | 2009/08/04<br>11:45 |
| S1    | 8    | ((("20070018181") or<br>("4774434") or<br>("6345903") or<br>("5857767") or<br>("5998925") or<br>("5813753") or<br>("5854867") or<br>("4951179")).PN. | US-PGPUB;<br>USPAT                       | OR               | OFF     | 2009/07/28<br>15:17 |
| S2    | 8    | encapsul\$4 with LED with<br>(silicon adj gel)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/30<br>13:12 |
| S3    | 5    | encapsulating with (silicon<br>adj gel) with epoxy   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/30<br>13:13 |
| S4    | 31   | encapsul\$4 with (silicon<br>adj gel) and ((light adj<br>emitting adj diode) LED)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/30<br>13:15 |
| S5    | 1188 | ((light adj emitting adj<br>diode) LED) and dome<br>with reflect\$4  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/30<br>14:01 |
| S6    | 86   | ((light adj emitting adj<br>diode) LED).ti. and (dome<br>with reflect\$4) and<br>@ad<"20030716"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/30<br>14:02 |
| S7    | 1000 | ((light adj emitting adj<br>diode) LED).ti. and (lens<br>with reflect\$4) and<br>@ad<"20030716"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/30<br>14:03 |
| S8    | 3002 | ((light adj emitting adj<br>diode) LED).ti. and (heat<br>adj sink)   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/31<br>16:39 |
| S9    | 431  | ((light adj emitting adj<br>diode) LED).ti. and ((heat<br>adj sink) with fin)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/31<br>16:39 |
| S10   | 53   | ((light adj emitting adj<br>diode) LED).ti. and ((heat<br>adj sink) with fin) and<br>@ad<"20030716"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR               | ON      | 2009/07/31<br>16:40 |

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| S11 | 20  | ((light adj emitting adj diode) LED).ti. and vehicle and ((heat adj sink) with fin) and @ad<"20030716"    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/07/31<br>16:41 |
| S12 | 63  | ((light adj emitting adj diode) LED).ti. and vehicle and (solder) and @ad<"20030716"                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/07/31<br>17:18 |
| S13 | 4   | ((light adj emitting adj diode) LED).ti. and vehicle and (solder adj reflow) and @ad<"20030716"           | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/07/31<br>17:21 |
| S14 | 7   | ((light adj emitting adj diode) LED).ti. and vehicle and (solder near3 reflow) and @ad<"20030716"         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/07/31<br>17:23 |
| S15 | 0   | ((light adj emitting adj diode) LED).ti. and (wiring with chip with (beam adj cutoff)) and @ad<"20030716" | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:36 |
| S16 | 0   | ((light adj emitting adj diode) LED).ti. and (wiring with chip with (cutoff)) and @ad<"20030716"          | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:36 |
| S17 | 302 | ((light adj emitting adj diode) LED).ti. and (wiring with chip ) and @ad<"20030716"                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:36 |
| S18 | 5   | ((light adj emitting adj diode) LED).ti. and (wiring with chip ) and (head adj light) and @ad<"20030716"  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:37 |
| S19 | 0   | (head adj light) adj housing and carrier and (flexible adj boot) and clip and (LED)                       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:53 |
| S20 | 1   | (head adj light) and housing and carrier and boot and clip and (light adj emitting adj diode)             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:54 |
| S21 | 1   | (head adj light) and carrier and boot and clip and (light adj emitting adj diode)                         | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:54 |

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| S22 | 15   | (head adj light) and carrier and clip and (light adj emitting adj diode)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:54 |
| S23 | 11   | (vehicle adj head adj light).ti. and LED  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>15:57 |
| S24 | 127  | ((vehicle motor automotive) adj head adj light) and LED   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:00 |
| S25 | 64   | ((light adj emitting adj diode) LED)and ((vehicle motor automobile) adj head adj light) and @ad<"20030716"                | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:12 |
| S26 | 64   | ((light adj emitting adj diode) LED) and ((vehicle motor automobile) adj head adj light) and @ad<"20030716"               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:12 |
| S27 | 10   | ("2359559"   "3462592"   "3802708"   "4118654"   "4745525"   "4843524"   "4989956"   "5227773"). PN.                      | US-PGPUB;<br>USPAT; USOCR                | OR | ON | 2009/08/03<br>16:16 |
| S28 | 42   | ("2359559"   "3462592"   "3802708"   "4118654"   "4745525"   "4843524"   "4989956"   "5227773"). PN. OR ("5709453"). URP. | US-PGPUB;<br>USPAT; USOCR                | OR | ON | 2009/08/03<br>16:16 |
| S29 | 1312 | (head adj light).ti.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:29 |
| S30 | 0    | (head adj light adj fixture).ti.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:48 |
| S31 | 22   | (head adj light adj fixture)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:48 |
| S32 | 1    | (head adj light ) and housing and carrier and boot and pivot  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:50 |
| S33 | 498  | (light ) and housing and carrier and boot and pivot   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:50 |
| S34 | 287  | (light ) and housing and carrier and boot and pivot and LED   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON | 2009/08/03<br>16:53 |

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| S35 | 1   | ((vehicle automotive) adj light ) and (housing cover) and carrier and boot and pivot and (LED with plurality) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:08 |
| S36 | 1   | ((vehicle automotive) adj light ) and (housing cover) and boot and pivot and (LED with plurality)             | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:08 |
| S37 | 105 | ((vehicle automotive) adj light ) and (housing cover) and pivot and (LED with plurality)                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:09 |
| S38 | 245 | (head near4 light) and LED and (single adj beam) and optic\$2   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:38 |
| S39 | 7   | ((RONALD) near2 (STEEN)).INV.   | US-PGPUB;<br>USPAT                       | OR | ON  | 2009/08/03<br>18:51 |
| S40 | 5   | ((KYLE) near2 (LUCAS)).INV.   | USPAT; USOCR                             | OR | ON  | 2009/08/03<br>18:51 |
| S41 | 249 | (head near4 light) and LED and (single adj beam)  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:53 |
| S42 | 116 | (head near4 light) and LED and (single adj beam) and @ad<"20030716"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:53 |
| S43 | 82  | (head near2 light) and LED and (single adj beam) and @ad<"20030716"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:53 |
| S44 | 80  | ((head front) adj light) and LED and (single adj beam) and @ad<"20030716"                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:54 |
| S45 | 33  | (head adj light) and LED and (single adj beam) and @ad<"20030716"   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:55 |
| S46 | 30  | (head adj light) and (light adj emitting adj diode) and (single adj beam) and @ad<"20030716"                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | ON  | 2009/08/03<br>18:56 |
| S47 | 0   | ("2001030866").PN.  | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/08/04<br>09:58 |
| S48 | 1   | ("20010030866").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/08/04<br>09:58 |
| S49 | 1   | ("6345903").PN.   | US-PGPUB;<br>USPAT                       | OR | OFF | 2009/08/04<br>10:08 |

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